

Appl. No. 09/504,968

Amdt. Dated 03/07/2005

Preliminary Amendment

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A method for controlling access to copy controlled content to a host device comprising:
 - receiving copy controlled content;
 - receiving a revocation list corresponding to a given range of host identifiers;
 - verifying that an identifier of a host device associated with an access module is within the range of host identifiers;
 - determining whether the host device associated with the access module is on the revocation list after the identifier of the host device is verified to be within the range of the host identifiers for the revocation list; and
 - if the identification of the host device is on the revocation list, causing the associated access module to deny the copy controlled content to the host device.
2. (Previously Presented) The method of claim 1, wherein the revocation list is received in band as part of a digital bitstream including the copy controlled content.
3. (Previously Presented) A method comprising:
 - receiving copy controlled content;
 - receiving a revocation list corresponding to a given range of host identifiers,
 - the revocation list is received out of band over a separate channel from a digital bitstream including the copy controlled content;
 - determining whether a host device associated with an access module is on the revocation list; and
 - if the host device is on the revocation list, causing the associated access module to deny the copy controlled content to the host device..

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4. (Previously Presented) The method of claim 3, wherein the revocation list is MPEG private syntax information data structure.

5. (Previously Presented) The method of claim 1, wherein the receiving of the revocation list comprises receiving a plurality of revocation lists, where each list corresponds to a given range of host identifiers.

6. (Previously Presented) The method of claim 5, verifying that the identifier of the host device associated with the access module is within the range of host identifiers comprises determining which revocation list of the plurality of revocation lists comprises a range of host identifiers within which the identifier of the host device is bound.

7. (Previously Presented) The method of claim 1 further comprising allowing access to the copy controlled content if the host device is not on the revocation list.

8. (Previously Presented) The method of claim 1, wherein prior to verifying the method further comprises authenticating the revocation list as having a larger revocation list version number.

9. (Original) The method of claim 1, wherein the copy controlled content is denied to the host device by not descrambling the copy controlled content.

10. (Original) The method of claim 1, wherein the host is selected from the group including of a set top box, television, video player, video recorder, hard disk player, hard disk recorder, personal computer, memory stick recorder, minidisk player, minidisk recorder, digital video disk (DVD) player, DVD Recorder, compact disk (CD) player and CD recorder.

11. (Previously Presented) The method of claim 1, wherein the revocation list is transmitted to devices coupled to a home network, the home network using a communication medium from one of the group: 1394, Universal Serial Bus, Blue Tooth, and Panel Link.

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12. (Original) The method of claim 1, wherein the access module performs conditional access by not descrambling the copy controlled content for the host device on the revocation list.

13. (Original) The method of claim 1, wherein the access module denies the copy controlled content by not outputting the copy controlled content to the host device on the revocation list.

14. (Original) The method of claim 12, wherein the access module is selected from the group consisting of an NRSS-A module, NRSS-B module, Point of Deployment (POD) module, and ISO7816 smart card.

15. (Previously Presented) The method of claim 1, further comprising conditionally descrambling the copy controlled content by the access module if the identifier of the host device is not on the revocation list.

16. (Previously Presented) An apparatus for controlling access to copy controlled content to a host device comprising:

- means for receiving copy controlled content;
- means for receiving a revocation list corresponding to a range of identifiers;
- means for determining whether a host device associated with an access module is on the revocation list after an identifier of the host device is determined to be within the range of identifiers associated with the revocation list;
- means for causing the access module to deny the copy controlled content to the host device if the identifier associated with the host device is on the revocation list.

17. (Original) The apparatus of claim 16, wherein the revocation list is received by the access unit in band along with the copy controlled content.

18. (Original) The apparatus of claim 16, wherein the revocation list is received by the access unit out of band of the copy controlled content.

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19. (Original) The apparatus of claim 16 further comprising means for descrambling the copy controlled content if the host device is not on the revocation list.

20. (Original) The apparatus of claim 16, wherein the revocation list contains revocation information that is content specific.

21 - 32. (Canceled)

33. (Previously Presented) A computer readable medium containing instructions, which when executed by a processing system, controls access to copy controlled content, the computer readable medium comprising:

means for receiving copy controlled content;

means for receiving a plurality of revocation lists each corresponding to a different range of host identifiers;

means for determining whether a host device associated with an access module is on the revocation list by initially verifying whether an identifier of the host device is within a range of host identifiers associated with one of the plurality of revocations lists, and if so, verifying whether the identifier of the host device is contained in the one of the plurality of revocation lists;

means for causing the associated access module to deny the copy controlled content to the host device.

34. (Original) The computer readable medium of claim 33, wherein the revocation list is received in band along with the copy controlled content.

35. (Original) The computer readable medium of claim 33, wherein the revocation list is received out of band of the copy controlled content.

36. (Previously Presented) The computer readable medium of claim 33, wherein each of said means for receiving, copy controlled content and said means for receiving the plurality of revocation lists are executable instructions.

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37. (Original) The computer readable medium of claim 33, wherein the copy controlled content is denied to the host device by not descrambling the copy controlled content.

38. (Previously Presented) The computer readable medium as set forth in claim 33, wherein the copy controlled content is not output to the host device if the host device is on the revocation list.

39. (Previously Presented) A device for controlling access to copy controlled content, comprising:

a tuner to tune to selected frequency for receipt of the copy controlled content;

a demodulator unit coupled to the tuner, the demodulator unit to demodulate the copy controlled content and output the demodulated copy controlled content; and

an access unit configured to receive the demodulated copy controlled content and a plurality of revocation lists each corresponding to a different range of host identifiers, the access unit to determine whether an identifier of the device is within a range of any of the plurality of revocation lists, and if so, to (i) determine whether the identifier of the device is on one of the plurality of revocation lists and (ii) deny the copy controlled content to the device if the identifier is listed on one of the plurality of revocations lists.

40. (Currently Amended) The device of claim 29, wherein the plurality of revocation lists are received in band as part of the same digital ~~bitstream~~ bitstream with the copy controlled content.

41. (Previously Presented) The device of claim 39, wherein the plurality of revocation lists are received out of band being transmitted through a separate medium than the copy controlled content.

42. (Previously Presented) The device of claim 41, wherein the plurality of revocation lists are received over a telephone line and the copy controlled content is received over either a cable or a wireless satellite transmission.

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43. (Previously Presented) The device of claim 39, wherein each of plurality of revocation lists corresponds to a different group of devices.

44. (Previously Presented) The device of claim 39 further comprising a processor coupled to the access unit.

45. (Previously Presented) The device of claim 44, wherein the processor to receive an enhancement control message, the enhancement control message including a key to descramble the copy controlled content.

46. (Previously Presented) The device of claim 44, wherein the access unit receives the enhancement control message along with the copy controlled information and the processor transmits information to the access unit to enable the access unit to locate the enhancement control message.

47. (Previously Presented) The device of claim 46, wherein the enhancement control message received by the access unit further includes a version number associated with the plurality of revocation lists.

48. (New) A method for controlling access to copy controlled content to a device comprising:

receiving a revocation list corresponding to a given range of identifiers;
verifying that an identifier of a device is within the range of identifiers;
determining whether the device is on the revocation list after the identifier of the device is verified to be within the range of the identifiers for the revocation list; and
denying copy controlled content to the device if the device is on the revocation list.

49. (New) The method of claim 48, wherein the revocation list is received in band as part of a digital bitstream including the copy controlled content.

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50. (New) The method of claim 48, wherein the identifier is a host identifier being a numeric value.

51. (New) The method of claim 48 further comprising allowing access to the copy controlled content if the device is not on the revocation list.

52. (New) The method of claim 48, wherein the revocation list is reached by the device coupled to a home network, the home network using a wired communication medium.

53. (New) The method of claim 52, wherein the revocation list is reached by the device coupled to the home network using the wired communication medium in accordance with IEEE 1394.

54. (New) The method of claim 48, wherein the revocation list is reached by the device coupled to a home network, the home network using a wireless communication medium.

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